VEX AIM Intro Course - Unit 6: Lesson 1 Code

Practice Task: Code the robot using the AI Vision Sensor to collect a barrel and kick it at the field wall. Document what you observe about the robot's behavior when you run the project. Then, change the field setup and test your project again.

Discussion Questions

- How is completing the task with coding similar to and different from completing it by driving?
- What robot behaviors do you notice happening during each macro block?
- What happens when the robot or the barrel starts in a different place on the field?
- Explain how coding with precision is different when using the AI Vision Sensor.

Practice Checklist

- ☐ Build your project in VEXcode AIM
- ☐ Download and run your project
- ☐ Drive and code to iterate on your project. Be sure to place the barrel and robot in different starting positions each time.
- ☐ Document your project
- ☐ All group members drive and code

Feeling stuck? *Ask a neighboring group for help.*

Success Criteria:

- ☐ All group members have completed the task by coding and documenting.I.
- ☐ All group members share how they collaborated while practicing.

Document Your Practice

Use this space to share your learning. You can draw changes to the robot's path, record the blocks and parameters in your project, and/or your iterations.

One thing I noticed when coding with the AI Vision Sensor is _____.